



SDMS DocID

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Jim Brown

March 31, 1998

01-0827-05-0051-001

U.S. Environmental Protection Agency
Region 1
John F. Kennedy Building
Boston, Massachusetts 02203

Superfund Record Center
SITE: Aerovox
RELEASE: 8.4
OTHER: _____

Attention: Mr. Frank Ciavattieri

**Reference: Aerovox Site Post-Closure Monitoring,
March 11, 12 and 13, 1998**

Dear Mr. Ciavattieri:

Enclosed are the results of the water level monitoring and cap inspection conducted at the Aerovox site by SAIC Engineering, Inc. during the March 1998 full moon period.

The next inspection and round of water level readings are scheduled for the September 1998 full moon period. Please call if you have any questions.

Sincerely,

SAIC ENGINEERING, INC.

Allen F. Davis, P.E.
Project Manager

Enclosures

cc: G. Monte, DEP/SERO
P. Galvani, Ropes & Gray
P. Szwaja, Aerovox

**Document produced to AVX in
response to July 31, 2006 inquiry**



**POST-CLOSURE MONITORING REPORT
AEROVOX, INC.
NEW BEDFORD, MASSACHUSETTS**

I certify under penalty of law that I have personally examined and am familiar with the information in this inspection report and all attachments, and that, based on my inquiry of those individuals immediately responsible for obtaining information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Peter Szwaja
Name

March 30 1998
Date

Peter Szwaja
Signature

Environmental Control Engineer
Official Title

LIST OF ATTACHMENTS

Tables 1A and 1B Dated: 3/11/98

Tables 2A and 2B Dated: 3/12/98

Tables 3A and 3B Dated: 3/13/98

Cap Inspection Report - Spring 1998

TABLE 1A**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: High
Time of Tide: 0629
Date: March 11, 1998
Time of Readings: 0617 - 0705

| LOCATION | TOP OF CASING ELEVATION (1) (2) | BASELINE ELEVATION (3) | CURRENT READING | CURRENT ELEVATION | CHANGE IN ELEVATION vs. BASELINE | RANGE OF ELEVATION OVER PREVIOUS 164 MONTHS (4) |
|-------------|--|------------------------------|--------------------|----------------------|--|--|
| Tide Gauge | 4.76 | | 2.53 | 2.23 | | |
| Well No. 2 | 6.92 | | 4.50 | 2.42 | | |
| Well No. 2A | 6.67 | 2.62 | 3.34 | 3.33 | 0.71 | 1.51 - 4.00 |
| Well No. 3 | 6.95 | | 4.57 | 2.38 | | |
| Well No. 3A | 8.26 | 1.86 | 5.66 | 2.60 | 0.74 | 0.78 - 3.31 |
| Well No. 4 | 10.99 | | 8.43 | 2.56 | | |
| Well No. 4A | 10.78 | 2.28 | 7.46 | 3.32 | 1.04 | 1.60 - 3.88 |
| Well No. 7 | 7.59 | | 4.99 | 2.60 | | |
| Well No. 7A | 7.33 | 2.60 | 4.29 | 3.04 | 0.44 | 2.38 - 3.40 |

NOTES:

Weather: 25 degrees F, Sunny
Readings by: David Minese
Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through March 1998.
- (5) Well 2A was cleaned to remove semi-aqueous encrustation (as reported in the Fall 1997 report) on March 10, 1998 by SAIC Engineering, prior to water level readings.
- (6) Soundings of all wells were conducted by SAIC Engineering on March 13, 1998.
The soundings indicate that Well 2A is almost silted in and should be purged; Well 3 is partially silted and also should be purged.

TABLE 1B**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low

Time of Tide: 1300

Date: March 11, 1998

Time of Readings: 1235 - 1323

| LOCATION | TOP OF CASING ELEVATION (1) (2) | BASELINE ELEVATION (3) | CURRENT READING | CURRENT ELEVATION | CHANGE IN ELEVATION vs. BASELINE | RANGE OF ELEVATION OVER PREVIOUS 164 MONTHS (4) |
|-------------|--|------------------------------|--------------------|----------------------|--|--|
| Tide Gauge | 4.76 | | Dry | -- | | |
| Well No. 2 | 6.92 | | 5.04 | 1.88 | | |
| Well No. 2A | 6.67 | 2.62 | 3.35 | 3.32 | 0.70 | 1.51 - 4.00 |
| Well No. 3 | 6.95 | | 5.43 | 1.52 | | |
| Well No. 3A | 8.26 | 1.86 | 5.35 | 2.91 | 1.05 | 0.78 - 3.31 |
| Well No. 4 | 10.99 | | 10.21 | 0.78 | | |
| Well No. 4A | 10.78 | 2.28 | 7.47 | 3.31 | 1.03 | 1.60 - 3.88 |
| Well No. 7 | 7.59 | | 6.88 | 0.71 | | |
| Well No. 7A | 7.33 | 2.60 | 4.29 | 3.04 | 0.44 | 2.38 - 3.40 |

NOTES:

Weather: 25 degrees F, Sunny

Readings by: David Minese

Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through March 1998.

TABLE 2A**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High
Time of Tide: 0710
Date: March 12, 1998
Time of Readings: 0635 - 0732**

| LOCATION | TOP OF CASING ELEVATION (1) (2) | BASELINE ELEVATION (3) | CURRENT READING | CURRENT ELEVATION | CHANGE IN ELEVATION vs. BASELINE | RANGE OF ELEVATION OVER PREVIOUS 164 MONTHS (4) |
|--------------------|--|---------------------------------------|----------------------------|------------------------------|---|--|
| Tide Gauge | 4.76 | | 2.62 | 2.14 | | |
| Well No. 2 | 6.92 | | 4.56 | 2.36 | | |
| Well No. 2A | 6.67 | 2.62 | 3.46 | 3.21 | 0.59 | 1.51 - 4.00 |
| Well No. 3 | 6.95 | | 4.65 | 2.30 | | |
| Well No. 3A | 8.26 | 1.86 | 5.73 | 2.53 | 0.67 | 0.78 - 3.31 |
| Well No. 4 | 10.99 | | 8.51 | 2.48 | | |
| Well No. 4A | 10.78 | 2.28 | 7.54 | 3.24 | 0.96 | 1.60 - 3.88 |
| Well No. 7 | 7.59 | | 5.06 | 2.53 | | |
| Well No. 7A | 7.33 | 2.60 | 4.32 | 3.01 | 0.41 | 2.38 - 3.40 |

NOTES:

**Weather: 20 degrees F, Sunny
Readings by: David Minese
Affiliation: SAIC Engineering , Inc.. 101 East Grove Street, Middleboro, Massachusetts, 02346**

FOOTNOTES:

- (1)** All readings and elevations are in feet and are referenced to mean sea level datum.
- (2)** Tide elevation is measured in reference to a known elevation of 4.76 ft , at a point on sheet piling near Well No. 2.
- (3)** Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4)** Numbers in this column are the range of recorded elevations from July 1984 through March 1998.

TABLE 2B**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

Tide Stage: Low
Time of Tide: 1314
Date: March 12, 1998
Time of Readings: 1245 - 1335

| LOCATION | TOP OF CASING ELEVATION (1) (2) | BASELINE ELEVATION (3) | CURRENT READING | CURRENT ELEVATION | CHANGE IN ELEVATION vs. BASELINE | RANGE OF ELEVATION OVER PREVIOUS 164 MONTHS (4) |
|-------------|--|------------------------------|--------------------|----------------------|--|--|
| Tide Gauge | 4.76 | | Dry | -- | | |
| Well No. 2 | 6.92 | | 5.10 | 1.82 | | |
| Well No. 2A | 6.67 | 2.62 | 3.43 | 3.24 | 0.62 | 1.51 - 4.00 |
| Well No. 3 | 6.95 | | 5.37 | 1.58 | | |
| Well No. 3A | 8.26 | 1.86 | 5.83 | 2.43 | 0.57 | 0.78 - 3.31 |
| Well No. 4 | 10.99 | | 10.17 | 0.82 | | |
| Well No. 4A | 10.78 | 2.28 | 7.54 | 3.24 | 0.96 | 1.60 - 3.88 |
| Well No. 7 | 7.59 | | 6.88 | 0.71 | | |
| Well No. 7A | 7.33 | 2.60 | 4.31 | 3.02 | 0.42 | 2.38 - 3.40 |

NOTES:

Weather: 20 - 25 degrees F, Cloudy/Flurries

Readings by: David Minese

Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346

FOOTNOTES:

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through March 1998.

TABLE 3A**WATER LEVEL READINGS**

**AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS**

**Tide Stage: High
Time of Tide: 0749
Date: March 13, 1998
Time of Readings: 0729 - 0825**

| LOCATION | TOP OF CASING ELEVATION (1) (2) | BASELINE ELEVATION (3) | CURRENT READING | CURRENT ELEVATION | CHANGE IN ELEVATION vs. BASELINE | RANGE OF ELEVATION OVER PREVIOUS 164 MONTHS (4) |
|--------------------|--|---------------------------------------|----------------------------|------------------------------|---|--|
| Tide Gauge | 4.76 | | 3.10 | 1.66 | | |
| Well No. 2 | 6.92 | | 4.88 | 2.04 | | |
| Well No. 2A | 6.67 | 2.62 | 3.65 | 3.02 | 0.40 | 1.51 - 4.00 |
| Well No. 3 | 6.95 | | 4.92 | 2.03 | | |
| Well No. 3A | 8.26 | 1.86 | 5.84 | 2.42 | 0.56 | 0.78 - 3.31 |
| Well No. 4 | 10.99 | | 8.80 | 2.19 | | |
| Well No. 4A | 10.78 | 2.28 | 7.61 | 3.17 | 0.89 | 1.60 - 3.88 |
| Well No. 7 | 7.59 | | 5.36 | 2.23 | | |
| Well No. 7A | 7.33 | 2.60 | 4.36 | 2.97 | 0.37 | 2.38 - 3.40 |

NOTES:

**Weather: 10 - 15 degrees F, Sunny/Cold
Readings by: David Mnese
Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346**

FOOTNOTES:

- (1)** All readings and elevations are in feet and are referenced to mean sea level datum.
- (2)** Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3)** Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4)** Numbers in this column are the range of recorded elevations from July 1984 through March 1998.

TABLE 3B**WATER LEVEL READINGS****AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS****Tide Stage: Low****Time of Tide: 1329****Date: March 13, 1998****Time of Readings: 1300 - 1359**

| LOCATION | TOP OF CASING ELEVATION (1) (2) | BASELINE ELEVATION (3) | CURRENT READING | CURRENT ELEVATION | CHANGE IN ELEVATION vs. BASELINE | RANGE OF ELEVATION OVER PREVIOUS 164 MONTHS (4) |
|-------------|--|------------------------------|--------------------|----------------------|--|--|
| Tide Gauge | 4.76 | | Dry | -- | | |
| Well No. 2 | 6.92 | | 4.93 | 1.99 | | |
| Well No. 2A | 6.67 | 2.62 | 3.55 | 3.12 | 0.50 | 1.51 - 4.00 |
| Well No. 3 | 6.95 | | 5.65 | 1.30 | | |
| Well No. 3A | 8.26 | 1.86 | 5.96 | 2.30 | 0.44 | 0.78 - 3.31 |
| Well No. 4 | 10.99 | | 10.44 | 0.55 | | |
| Well No. 4A | 10.78 | 2.28 | 7.62 | 3.16 | 0.88 | 1.60 - 3.88 |
| Well No. 7 | 7.59 | | 7.18 | 0.41 | | |
| Well No. 7A | 7.33 | 2.60 | 4.35 | 2.98 | 0.38 | 2.38 - 3.40 |

NOTES:**Weather: 20 - 25 degrees F, Sunny****Readings by: David Minese****Affiliation: SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts, 02346****FOOTNOTES:**

- (1) All readings and elevations are in feet and are referenced to mean sea level datum.
- (2) Tide elevation is measured in reference to a known elevation of 4.76 ft, at a point on sheet piling near Well No. 2.
- (3) Baseline elevations shown for shallow wells Nos. 2A, 3A, 4A, and 7A are average monthly readings recorded for July 1984 through June 1985.
- (4) Numbers in this column are the range of recorded elevations from July 1984 through March 1998.

SHEET PILING/CAP INSPECTION REPORT - SPRING 1998

AEROVOX PLANT SITE
NEW BEDFORD, MASSACHUSETTS

Sheet 1 of 1

| | | Check if any listed defect is observed | | | | |
|----|--|--|------------------------|-----------------|-----------------------------|----------------|
| | | CRACKS OR GAPS | FLAKING OR SPALLING | FROST HEAVES | DEPRESSION OR SETTLEMENT | |
| A. | 8-foot wide strip adjacent to north trough | | | | | |
| | 1. Surface | | | | | |
| | 2. Joints | | | | | |
| B. | Directly behind plant | | | | | |
| | 1. Surface | | | | | |
| | 2. Joints | | | | | |
| | * along building | | | | | |
| | * around cooling tower | x | | | | See Note No. 1 |
| | * around well casings | x | | | | See Note No.2 |
| | * along steel pilings | | | | | |
| | * around fence posts | | | | | |
| C. | Remaining area on either side of old pump house | | | | | |
| | 1. Surface | | | | | |
| | 2. Joints | | | | | |
| | * around well casings | | | | | |
| | * around fence posts | | | | | |
| | * along steel pilings | | | | | |
| D. | South drainage trough extension (concrete pipe) | | | | | |
| | 1. Surface | | | | | |
| | 2. Joints | | | | | |

Inspection by : David Minese

Affiliation : SAIC Engineering, Inc., 101 East Grove Street, Middleboro, Massachusetts 02346

Note No. 1: Minor cracks between building and chilling units
Also, crack south of northeast corner of fenced area should be resealed

Note No. 2: Minor cracking near wells 2 and 2A and, in general, any new cracks should be resealed